

Listing of Claims:

Claims 1-15 (canceled)

Claim 16. (currently amended) A system for making a substantially filled tire comprising
a grinder;
an injector [a mixer] that combines [the] unused flatproofing material to [the ground used
flatproof pneumatic tires] core bits;
a mixer [an injector] that injects a mixture of at least one unused flatproofing material into
the core bits [ground used flatproof pneumatic tires];
a pump for transferring the combination of core bits [ground used flatproof pneumatic tires]
and unused flatproofing material from the injector [mixer] to a valve;
an input device that inputs the combination into a tubed or tubeless pneumatic tire; and
a pressure sensor attached to said input device.

Claim 17 (currently amended) The system of claim 16 further comprising a controller
electronically coupled to the mixer [injector] and the pressure sensor.

Claims 18-19 (canceled)

Claim 20 (currently amended) A tire cavity filling system [for making a tire with a substantially
filled core] comprising:
a grinding device capable of grinding cure polyurethane into core bits, having an outlet;
an elongated rotatable screw device for [capable of] mixing core bits [the ground
polyurethane] and a liquid virgin polyurethane and pressurizing and transferring the mixed
material into the core of a tire, said screw device disposed adjacent to said grinding device
and having an input attached to said grinding device outlet to receive core bits [ground cured
polyurethane] from the grinding device; and

a controller electronically coupled to the grinding device and the elongated screw device.